



2008-02-14 2121-0176P
SEQUENCE LISTING

<110> JOHANNES, Ludger, et al.

<120> UNIVERSAL CARRIER FOR TARGETING MOLECULES TO GB3 RECEPTOR
EXPRESSING CELLS

<130> 2121-0176P

<140> US 10/628,415

<141> 2003-07-29

<150> PCT/EP 02/01627

<151> 2002-02-01

<150> EP 01400255.4

<151> 2001-02-01

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 90

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Universal
carrier

<400> 1

Met Lys Lys Thr Leu Leu Ile Ala Ala Ser Leu Ser Phe Phe Ser Ala
1 5 10 15

Ser Ala Leu Ala Thr Pro Asp Cys Val Thr Gly Lys Val Glu Tyr Thr
20 25 30

Lys Tyr Asn Asp Asp Asp Thr Phe Thr Val Lys Val Gly Asp Lys Glu
35 40 45

Leu Phe Thr Asn Arg Trp Asn Leu Gln Ser Leu Leu Leu Ser Ala Gln
50 55 60

Ile Thr Gly Met Thr Val Thr Ile Lys Thr Asn Ala Cys His Asn Gly
65 70 75 80

Gly Gly Phe Ser Glu Val Ile Phe Arg Cys
85 90

<210> 2

<211> 270

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Polynucleotide

<400> 2

2008-02-14 2121-0176P

```
atgaaaaaaa cattattaat agctgcatcg ctttcatttt tttcagcaag tgcgctggcg 60
acgcctgatt gtgtaactgg aaagggtggag tatacaaaaat ataatgatga cgataacctt 120
acagttaaag tgggtgataa agaattattt accaacagat ggaatcttca gtctcttctt 180
ctcagtgcgc aaattacggg gatgactgta accattaaaa ctaatgcctg tcataatgga 240
gggggattca gcgaagttat ttttcgttgt                                     270
```

<210> 3
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer A

<400> 3
agcgaagtta tttttcgttg ttgactcaga atagctc 37

<210> 4
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer B

<400> 4
gagctattct gagtcaacac gaaaaataac ttc 33

<210> 5
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer A'

<220>
<221> misc_feature
<222> (1)..(17)
<223> Primer ShigaAtpE

<400> 5
cactactacg ttttaac 17

<210> 6
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer B'

<220>
<221> misc_feature
<222> (1)..(15)
<223> Primer Shiga-fd

<400> 6
cggcgcaact atcgg 15

2008-02-14 2121-0176P

<210> 7
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic peptide derived from chicken ovalbumin

<400> 7

Leu Glu Gln Leu Glu Ser Ile Ile Asn Phe Glu Lys Leu Thr Glu Trp
1 5 10 15

Ser Leu Lys Ile Ser Gln Ala Val His Ala Ala His Ala Glu Ile Asn
20 25 30

Glu Ala Gly Arg
35